

# SEQUENCE LISTING

<110> King, George L.  
Abrahamson, Susan  
Pugsley, Michael

<120> Modulation of Pericyte Proliferation

<130> 27129/36739A

<150> 60/250,542

<151> 2000-12-01

<160> 15

<170> PatentIn version 3.1

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cct tgc aac gcg ccg aga tgg gtg tcc ctg atg gtg ctc gtc gcc ata	102
Pro Cys Asn Ala Pro Arg Trp Val Ser Leu Met Val Leu Val Ala Ile	
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Gly Thr Ala Val Thr Ala Ala Val Asn Pro Gly Val Val Val Arg Ile	
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Ser Gln Lys Gly Leu Asp Tyr Ala Ser Gln Gln Gly Thr Ala Ala Leu	
10 15 20 25	

cag aag gag ctg aag agg atc aag att cct gac tac tca gac agc ttt	246
Gln Lys Glu Leu Lys Arg Ile Lys Ile Pro Asp Tyr Ser Asp Ser Phe	
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aag atc aag cat ctt ggg aag ggg cat tat agc ttc tac agc atg gac	294
Lys Ile Lys His Leu Gly Lys Gly His Tyr Ser Phe Tyr Ser Met Asp	
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atc	cgt	gaa	ttc	cag	ctt	ccc	agt	tcc	cag	ata	agc	atg	gtg	ccc	aat	342
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gtg	ggc	ctt	aag	ttc	tcc	atc	agc	aac	gcc	aat	atc	aag	atc	agc	ggg	390
Val	Gly	Leu	Lys	Phe	Ser	Ile	Ser	Asn	Ala	Asn	Ile	Lys	Ile	Ser	Gly	
	75					80					85					
aaa	tgg	aag	gca	caa	aag	aga	ttc	tta	aaa	atg	agc	ggc	aat	ttt	gac	438
Lys	Trp	Lys	Ala	Gln	Lys	Arg	Phe	Leu	Lys	Met	Ser	Gly	Asn	Phe	Asp	
90					95					100					105	
ctg	agc	ata	gaa	ggc	atg	tcc	att	tcg	gct	gat	ctg	aag	ctg	ggc	agt	486
Leu	Ser	Ile	Glu	Gly	Met	Ser	Ile	Ser	Ala	Asp	Leu	Lys	Leu	Gly	Ser	
			110						115					120		
aac	ccc	acg	tca	ggc	aag	ccc	acc	atc	acc	tgc	tcc	agc	tgc	agc	agc	534
Asn	Pro	Thr	Gly	Lys	Pro	Thr	Ile	Thr	Cys	Ser	Ser	Cys	Ser	Ser	Ser	
		125					130					135				
cac	atc	aac	agt	gtc	cac	gtg	cac	atc	tca	aag	agc	aaa	gtc	ggg	tgg	582
His	Ile	Asn	Ser	Val	His	Val	His	Ile	Ser	Lys	Ser	Lys	Val	Gly	Trp	
		140				145						150				
ctg	atc	caa	ctc	ttc	cac	aaa	aaa	att	gag	tct	gcg	ctt	cga	aac	aag	630
Leu	Ile	Gln	Leu	Phe	His	Lys	Lys	Ile	Glu	Ser	Ala	Leu	Arg	Asn	Lys	
	155					160					165					
atg	aac	agc	cag	gtc	tgc	gag	aaa	gtg	acc	aat	tct	gta	tcc	tcc	aag	678
Met	Asn	Ser	Gln	Val	Cys	Glu	Lys	Val	Thr	Asn	Ser	Val	Ser	Ser	Lys	
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ctg	caa	cct	tat	ttc	cag	act	ctg	cca	gta	atg	acc	aaa	ata	gat	tct	726
Leu	Gln	Pro	Tyr	Phe	Gln	Thr	Leu	Pro	Val	Met	Thr	Lys	Ile	Asp	Ser	
				190					195					200		
gtg	gct	gga	atc	aac	tat	ggt	ctg	gtg	gca	cct	cca	gca	acc	acg	gct	774
Val	Ala	Gly	Ile	Asn	Tyr	Gly	Leu	Val	Ala	Pro	Pro	Ala	Thr	Thr	Ala	
			205				210						215			
gag	acc	ctg	gat	gta	cag	atg	aag	ggg	gag	ttt	tac	agt	gag	aac	cac	822
Glu	Thr	Leu	Asp	Val	Gln	Met	Lys	Gly	Glu	Phe	Tyr	Ser	Glu	Asn	His	
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cac	aat	cca	cct	ccc	ttt	gct	cca	cca	gtg	atg	gag	ttt	ccc	gct	gcc	870
His	Asn	Pro	Pro	Pro	Phe	Ala	Pro	Pro	Val	Met	Glu	Phe	Pro	Ala	Ala	
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His	Asp	Arg	Met	Val	Tyr	Leu	Gly	Leu	Ser	Asp	Tyr	Phe	Phe	Asn	Thr	
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gcc	ggg	ctt	gta	tac	caa	gag	gct	ggg	gtc	ttg	aag	atg	acc	ctt	aga	966
Ala	Gly	Leu	Val	Tyr	Gln	Glu	Ala	Gly	Val	Leu	Lys	Met	Thr	Leu	Arg	
			270					275						280		
gat	gac	atg	att	cca	aag	gag	tcc	aaa	ttt	cga	ctg	aca	acc	aag	ttc	1014
Asp	Asp	Met	Ile	Pro	Lys	Glu	Ser	Lys	Phe	Arg	Leu	Thr	Thr	Lys	Phe	
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ttt	gga	acc	ttc	cta	cct	gag	gtg	gcc	aag	aag	ttt	ccc	aac	atg	aag	1062
Phe	Gly	Thr	Phe	Leu	Pro	Glu	Val	Ala	Lys	Lys	Phe	Pro	Asn	Met	Lys	
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ata cag atc cat gtc tca gcc tcc acc ccg cca cac ctg tct gtg cag	1110
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315 320 325	
ccc acc ggc ctt acc ttc tac cct gcc gtg gat gtc cag gcc ttt gcc	1158
Pro Thr Gly Leu Thr Phe Tyr Pro Ala Val Asp Val Gln Ala Phe Ala	
330 335 340 345	
gtc ctc ccc aac tcc tcc ctg gct tcc ctc ttc ctg att ggc atg cac	1206
Val Leu Pro Asn Ser Ser Leu Ala Ser Leu Phe Leu Ile Gly Met His	
350 355 360	
aca act ggt tcc atg gag gtc agc gcc gag tcc aac agg ctt gtt gga	1254
Thr Thr Gly Ser Met Glu Val Ser Ala Glu Ser Asn Arg Leu Val Gly	
365 370 375	
gag ctc aag ctg gat agg ctg ctc ctg gaa ctg aag cac tca aat att	1302
Glu Leu Lys Leu Asp Arg Leu Leu Glu Leu Lys His Ser Asn Ile	
380 385 390	
ggc ccc ttc ccg gtt gaa ttg ctg cag gat atc atg aac tac att gta	1350
Gly Pro Phe Pro Val Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val	
395 400 405	
ccc att ctt gtg ctg ccc agg gtt aac gag aaa cta cag aaa ggc ttc	1398
Pro Ile Leu Val Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe	
410 415 420 425	
cct ctc ccg acg ccg gcc aga gtc cag ctc tac aac gta gtg ctt cag	1446
Pro Leu Pro Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln	
430 435 440	
cct cac cag aac ttc ctg ctg ttc ggt gca gac gtt gtc tat aaa	1491
Pro His Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys	
445 450 455	
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Ser Gln Gln Gly Thr Ala Ala Leu Gln Lys Glu Leu Lys Arg Ile Lys  
 20 25 30

Ile Pro Asp Tyr Ser Asp Ser Phe Lys Ile Lys His Leu Gly Lys Gly  
 35 40 45

His Tyr Ser Phe Tyr Ser Met Asp Ile Arg Glu Phe Gln Leu Pro Ser  
 50 55 60 65

Ser Gln Ile Ser Met Val Pro Asn Val Gly Leu Lys Phe Ser Ile Ser  
 70 75 80

Asn Ala Asn Ile Lys Ile Ser Gly Lys Trp Lys Ala Gln Lys Arg Phe  
 85 90 95

Leu Lys Met Ser Gly Asn Phe Asp Leu Ser Ile Glu Gly Met Ser Ile  
 100 105 110

Ser Ala Asp Leu Lys Leu Gly Ser Asn Pro Thr Ser Gly Lys Pro Thr  
 115 120 125

Ile Thr Cys Ser Ser Cys Ser Ser His Ile Asn Ser Val His Val His  
 130 135 140 145

Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys  
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Ile Glu Ser Ala Leu Arg Asn Lys Met Asn Ser Gln Val Cys Glu Lys  
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Val Thr Asn Ser Val Ser Ser Lys Leu Gln Pro Tyr Phe Gln Thr Leu  
 180 185 190

Pro Val Met Thr Lys Ile Asp Ser Val Ala Gly Ile Asn Tyr Gly Leu  
 195 200 205

Val Ala Pro Pro Ala Thr Thr Ala Glu Thr Leu Asp Val Gln Met Lys  
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Gly Glu Phe Tyr Ser Glu Asn His His Asn Pro Pro Pro Phe Ala Pro  
 230 235 240

Pro Val Met Glu Phe Pro Ala Ala His Asp Arg Met Val Tyr Leu Gly  
245 250 255

Leu Ser Asp Tyr Phe Phe Asn Thr Ala Gly Leu Val Tyr Gln Glu Ala  
260 265 270

Gly Val Leu Lys Met Thr Leu Arg Asp Asp Met Ile Pro Lys Glu Ser  
275 280 285

Lys Phe Arg Leu Thr Thr Lys Phe Phe Gly Thr Phe Leu Pro Glu Val  
290 295 300 305

Ala Lys Lys Phe Pro Asn Met Lys Ile Gln Ile His Val Ser Ala Ser  
310 315 320

Thr Pro Pro His Leu Ser Val Gln Pro Thr Gly Leu Thr Phe Tyr Pro  
325 330 335

Ala Val Asp Val Gln Ala Phe Ala Val Leu Pro Asn Ser Ser Leu Ala  
340 345 350

Ser Leu Phe Leu Ile Gly Met His Thr Thr Gly Ser Met Glu Val Ser  
355 360 365

Ala Glu Ser Asn Arg Leu Val Gly Glu Leu Lys Leu Asp Arg Leu Leu  
370 375 380 385

Leu Glu Leu Lys His Ser Asn Ile Gly Pro Phe Pro Val Glu Leu Leu  
390 395 400

Gln Asp Ile Met Asn Tyr Ile Val Pro Ile Leu Val Leu Pro Arg Val  
405 410 415

Asn Glu Lys Leu Gln Lys Gly Phe Pro Leu Pro Thr Pro Ala Arg Val  
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<223> /label=Substituted-Ala note=position 9 is 1- naph-ala

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<223> /Label=D Amino Acids/note=Positions 1-11 are D-Amino Acids

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<223> Positions 2-7 are L-amino acids

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